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(54) Title: BIMODAL POLYETHYLENE

(57) Abstract: The present invention discloses a method for preparing a catalyst component suitable for the preparation of bimodal polymers that comprises the steps of: a) providing hollow beads of polyethylene of controlled morphology and size; b) drying the hollow beads under vacuum; c) impregnating the dried hollow beads with a concentrated solution of the desired catalyst component under vacuum; d) submitting the impregnated hollow beads to atmospheric pressure; e) draining excess liquid; f) drying under inert gas at atmospheric pressure. It also discloses a method for preparing bimodal polymers that uses the new catalyst component catalyst.